

## Managing Editors

E.M. FRIEDLANDER, Department of Mathematics, University of Southern California, 3620 S. Vermont Ave,  
KAP 108, Los Angeles, CA 90089-2532, USA  
ericmf@usc.edu, eric@math.northwestern.edu  
C.A. WEIBEL, Math. Dept., Rutgers University, New Brunswick, NJ 08903, USA  
jpaa@math.rutgers.edu

## Editors

J. ADÁMEK, Technical University of Braunschweig, Postfach 3329, D-38023 Braunschweig, Germany  
adamek@tliisa.iti.cs.tu-bs.de  
P. BALMER, UCLA Department of Mathematics, Los Angeles, CA 90095-1555, USA  
balmer@math.ucla.edu  
S. DONKIN, Department of Mathematics, University of York, Heslington, England  
sd510@york.ac.uk  
A.V. GERAMITA, Dept. of Math. & Stat., Queen's University, Jeffery Hall, Kingston, Canada K7L 3N6  
tony@mast.queensu.ca  
and Dipartimento di Matematica, Università di Genova, Via Dodecaneso 35, 16146 Genova, Italy  
geramita@dima.unige.it  
T. HIBI, Dept. of Mathematics, Graduate School of Science, Osaka University, Toyonaka, Osaka 560, Japan  
hibi@math.sci.osaka-u.ac.jp  
J. HUEBSCHMANN, USTL, UFR de Mathématiques, UMR 8524 Laboratoire Paul Painlevé, F-59655 Villeneuve  
d'Ascq Cedex, France  
johannes.huebschmann@math.univ-lille1.fr  
S. IYENGAR, Department of Mathematics, University of Nebraska, Lincoln, NE 68588, USA  
siyengar2@math.unl.edu  
C. KASSEL, Inst. Rech. Math. Advance, Université de Louis Pasteur – C.N.R.S., 7 rue Descartes, F-67084  
Strasbourg Cedex, France  
kassel@math.u-strasbg.fr  
B. KELLER, UFR de Mathématiques, Université Paris Diderot - Paris 7, Case 7012, 75205 Paris Cedex 13, France  
keller@math.jussieu.fr  
S. KOVÁCS, Math. Dept., University of Washington, Box 354350 Seattle, Washington, 98195, USA  
skovacs@uw.edu  
D. NAKANO, Department of Mathematics, University of Georgia, Athens, GA 30602, USA  
nakano@math.uga.edu  
R. PARIMALA, Department of Mathematics and Computer Science, Emory University, 400 Dowman Drive Suite,  
401 Atlanta, GA 30322, USA  
parimala@mathcs.emory.edu  
G. ROSOLINI, Dip. di Matematica, Università di Genova, Via Dodecaneso 35, 16146 Genova, Italy  
rosolini@disi.unige.it  
M. SAPIR, SC 1522, Department of Mathematics, Vanderbilt University, Nashville, TN 37240, USA  
markvs@gmail.com  
R. VAKIL, Department of Mathematics, Bldg. 380, Stanford University, Stanford, CA 94305-2125, USA  
vakil@math.stanford.edu

## Founding Editors

P.J. FREYD, Math. Dept., University of Pennsylvania, Philadelphia, PA 19104, USA  
A. HELLER, Math. Dept., City University of New York, New York, NY 10036, USA

**Aims and Scope.** The JOURNAL OF PURE AND APPLIED ALGEBRA concentrates on that part of algebra likely to be of general mathematical interest: algebraic results with immediate applications, and the development of algebraic theories of sufficiently general relevance to allow for future applications.

## Publication Information

Journal of Pure and Applied Algebra (ISSN 0022-4049). For 2012, volume 216 (12 issues) is scheduled for publication. Subscription prices are available upon request from the Publisher or from the Regional Sales Office nearest you or from this journal's website (<http://www.elsevier.com/locate/jpaa>). Further information on this journal and other Elsevier products is available through Elsevier's website (<http://www.elsevier.com>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.